



### UniGene

#### ORGANIZED VIEW OF THE TRANSCRIPTOME

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Hs#S1730455 807 bp *Homo sapiens* UniGene <u>Hs.28914</u>

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# Homo sapiens adenine phosphoribosyltransferase (APRT), transcript variant 1, mRNA

#### SEQUENCE INFORMATION

GenBank entry: NM\_000485.2 Sequence length: 807 bp

Product:

PID g4502171 - adenine phosphoribosyltransferase isoform a

#### **FEATURES**

CDS (+) 36 ... 578 Product: adenine phosphoribosyltransferase isoform a See protein sequence PID:g4502171

**prot\_sim** (+) 1 ... 180 <u>NP\_001013079.1</u> Rattus norvegicus 86.67% identity (312 bits) [Blast | ProtEST]

**prot\_sim** (+) 1 ... 180 <u>XP\_001366419.1</u> *Monodelphis domestica* 73.89% identity (273 bits) [Blast | ProtEST]

prot\_sim (+) 23 ... 210 <u>XP\_368587.1</u> Magnaporthe grisea 43.92% identity (153 bits) [<u>Blast | ProtEST</u>]

**prot\_sim** (+) 14 ... 178 <u>XP\_451589.1</u> *Kluyveromyces lactis* 44.58% identity (139 bits) [<u>Blast</u> | <u>ProtEST</u>]

**prot\_sim** (+) 1 ... 179 <u>XP\_001691572.1</u> *Chlamydomonas reinhardtii* 39.56% identity (135 bits) [Blast | ProtEST]

**prot\_sim** (+) 8 ... 182 <u>XP\_001769439.1</u> *Physcomitrella patens* 44.38% identity (162 bits) [Blast | ProtEST]

prot\_sim (+) 14 ... 179 <u>NP\_985181.1</u> Eremothecium gossypii 47.31% identity (145 bits) [Blast | ProtEST]

**prot\_sim** (+) 2 ... 184 <u>NP\_001059653.1</u> *Oryza sativa* 41.94% identity (147 bits) [<u>Blast</u> | <u>ProtEST</u>]

prot\_sim (+) 27 ... 211 <u>NP\_001105243.1</u> Zea mays 43.92% identity (142 bits) [<u>Blast | ProtEST</u>]

prot\_sim (+) 1 ... 184 NP\_594433.1 Schizosaccharomyces pombe 44.09% identity (147 bits) [Blast | ProtEST]

prot\_sim (+) 5 ... 178 NP\_013690.1 Saccharomyces cerevisiae 46.29% identity (149 bits) [Blast | ProtEST]

prot\_sim (+) 4 ... 168 <u>XP\_963727.2</u> Neurospora crassa 46.39% identity (152 bits) [Blast | ProtEST]

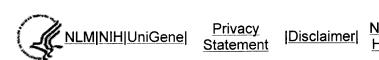
prot\_sim (+) 2 ... 177 <u>XP\_776085.1</u> Filobasidiella neoformans 42.94% identity (147 bits) [Blast | ProtEST]

**prot\_sim** (+) 7 ... 166 <u>XP\_001442021.1</u> Paramecium tetraurelia 45.73% identity (143 bits) [Blast | ProtEST]

prot\_sim (+) 10 ... 176 XP\_001008197.1 Tetrahymena thermophila



	42.94% identity (145 bits) [Blast   ProtEST]
prot_sim (+) 13 183	NP_491663.1 Caenorhabditis elegans 45.93% identity (149 bits) [Blast   ProtEST]
prot_sim (+) 5 179	XP_968297.1 Tribolium castaneum 44.44% identity (149 bits) [Blast   ProtEST]
prot_sim (+) 3 180	XP_001664324.1 Aedes aegypti 43.02% identity (146 bits) [Blast   ProtEST]
prot_sim (+) 1 171	XP_315739.2 Anopheles gambiae 41.28% identity (130 bits) [Blast   ProtEST]
prot_sim (+) 3 180	XP_001843437.1 Culex quinquefasciatus 44.69% identity (145 bits) [Blast   ProtEST]
prot_sim (+) 2 172	NP 476637.1 Drosophila melanogaster 46.51% identity (151 bits) [Blast   ProtEST]
prot_sim (+) 4 177	XP 397043.2 Apis mellifera 48.31% identity (168 bits) [Blast   ProtEST]
prot_sim (+) 11 181	XP 001202862.1 Strongylocentrotus purpuratus 49.42% identity (181 bits) [Blast   ProtEST]
prot_sim (+) 1 177	XP 001331572.1 Danio rerio 55.87% identity (200 bits) [Blast   ProtEST]
prot_sim (+) 1 180	NP_001007941.1 Xenopus tropicalis 62.98% identity (229 bits) [Blast   ProtEST]
prot_sim (+) 29 181	XP 001511761.1 Ornithorhynchus anatinus 68.63% identity (223 bits) [Blast   ProtEST]
prot_sim (+) 1 180	<u>XP_001089867.1</u> <i>Macaca mulatta</i> 95.56% identity (343 bits) [Blast   ProtEST]
prot_sim (+) 1 180	XP_001138089.1 Pan troglodytes 100% identity (356 bits) [Blast   ProtEST]
prot_sim (+) 1 180	NP_000476.1 Homo sapiens 100% identity (356 bits) [Blast   ProtEST]
prot_sim (+) 1 180	XP 536752.2 Canis lupus familiaris 85.56% identity (310 bits) [Blast   ProtEST]
prot_sim (+) 7 134	XP_001488102.1 Equus caballus 89.06% identity (228 bits) [Blast   ProtEST]
prot_sim (+) 1 180	NP_001020505.1 Bos taurus 86.67% identity (311 bits) [Blast   ProtEST]



## **EXHIBIT**

3b

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